
GEOGRAPHY**H.C.G. - Paper – 2****(Two hours)**

Answers to this Paper must be written on the answer sheet provided separately.

You will **not** be allowed to write during the first **15** minutes.

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt **seven** questions in all.

Part I is compulsory. All questions from Part I are to be attempted.

A total of **five questions** are to be attempted from **Part II**.

The intended marks for questions or parts of questions are given in brackets [].

To be supplied with this Paper: Survey of India Map Sheet No. **45D/10**
and 20 cm of twine.

Note:

- (i) In all **Map Work**, make wise use of arrows to avoid overcrowding of the map.
- (ii) The extract of **Survey of India Map Sheet No. 45D/10** must not be taken out of the examination hall. It must be handed over to the Supervising Examiner on completion of the paper.
- (iii) The Map given at the end of this question paper must be detached, and after marking, must be fastened to your answer booklet.
- (iv) **All sub-sections of the questions attempted must be answered in the correct serial order.**
- (v) All working including rough work should be done on the same answer sheet which is used to answer the rest of the paper.

This Paper consists of 9 printed pages and 1 outline map.

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PART I (30 Marks)

Attempt **all** questions from this **Part**

Question 1

Study the extract of the **Survey of India** Map sheet No. **45D/10** and answer the following questions:

- (a) (i) Give the **six-figure** grid reference for the temple that is located to the south west of Pithapura settlement. [2]
- (ii) Give the **four-figure** grid reference for a settlement where people of the region meet socially and for trade at least once in a year.
- (b) (i) What is the pattern of drainage seen in the grid square **2118**? [2]
- (ii) What is the pattern of settlement seen in the grid square **1923**?
- (c) What do each of the two numbers (281 printed in black colour and 20 printed in red colour) in the grid square **1818** indicate? [2]
- (d) (i) Name any **two** man-made features in grid square **2419**. [2]
- (ii) Name any **two** natural features in grid square **2118**.
- (e) What is the significance of the following? [2]
- (i) **Fire line** in grid square **2417**.
- (ii) Water body found in grid square **2221**.
- (f) Calculate the **area** of the region between **16** and **19** Eastings and **18** and **22** Northings. Give your answer in **kilometre square**. [2]
- (g) Give a reason for each of the following: [2]
- (i) The water in some of the wells in the north west quarter of the map is **not** fit for drinking.
- (ii) The region near Anadra and Gulabganj has many causeways.
- (h) (i) What is the main means of irrigation used by people living in the area shown on the map? [2]
- (ii) What is the main occupation of the people of the region shown on the map?

- (i) Which according to you is the most important settlement? [2]
Give a reason to support your answer.
- (j) Name any two means of transport used by the people living in the area shown on the map extract. [2]

Question 2

On the outline map of India provided:

- (a) Shade and label the Gangetic Plain. [1]
- (b) Shade and label an area of laterite soil **in North India**. [1]
- (c) Mark and label the Karakoram Mountains. [1]
- (d) Mark and name the Palk Strait. [1]
- (e) Shade and label the river Cauveri. [1]
- (f) Mark and name Mumbai. [1]
- (g) Mark and name the Nathu La Pass. [1]
- (h) Mark and name Digboi. [1]
- (i) Shade and name the Deccan Plateau. [1]
- (j) Shade and label the river Jhelum. [1]

PART II (50 Marks)

Attempt **any five** questions from **this Part**

Question 3

- (a) (i) What type of wind is 'Monsoon'? What is its direction during summer? [2]
(ii) Mention **two** characteristics of the Indian monsoon.
- (b) With reference to the summer season in India, answer the following questions: [2]
(i) Mention the duration of the summer season in India.
(ii) What is the atmospheric pressure condition during summer season over the central part of India?

- (c) Give a reason for each of the following: [3]
- (i) Goa receives heavier rainfall than Puducherry.
 - (ii) Mawsynram receives the highest average annual rainfall.
 - (iii) Mangaluru is cooler than Delhi in summer season.
- (d) Study the data of distribution of temperature and rain for Station X and answer the questions that follow: [3]

Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Temp. °C	10	11	23	35	39	42	40	33	30	25	13	11
Rainfall Cm	2	1	0	5	15	62	71	81	59	12	10	3

- (i) Is Station X in the coastal area **or** in the interior of the country?
- (ii) Calculate the total annual rainfall for Station X.
- (iii) Name the wind that brings **most** of the rainfall to Station X.

Question 4

- (a) (i) Name the Indian soil which is formed due to the weathering of basic igneous rocks. [2]
- (ii) Name two states of India where this type of soil is found.
- (b) Name the following: [2]
- (i) An important transported soil of India.
 - (ii) Soil that is rich in iron oxide.
- (c) Give a geographical reason for each of the following: [3]
- (i) Terrace farming is an ideal soil conservation method for hilly regions.
 - (ii) Dry farming is preferred in areas with red soil.
 - (iii) Wind is a common agent of soil erosion in arid regions.

- (d) Briefly answer the following: [3]
- (i) Mention one way in which man is responsible for soil erosion.
 - (ii) How can deepening of the river bed help in preventing soil erosion?
 - (iii) Mention a physical characteristic of Laterite soil.

Question 5

- (a) Give **two reasons** to explain as to why we need to conserve our forest resource. [2]
- (b) (i) Mention two conditions required for the growth of Littoral Forest. [2]
- (ii) State **one characteristic** feature of the forest found in the Nilgiri Hills.
- (c) (i) Give **two reasons** to explain as to why the Tropical Evergreen Forests are difficult to exploit for commercial purpose. [3]
- (ii) Name any **two trees** found in Tropical Evergreen forests.
- (d) Briefly explain each of the following: [3]
- (i) The trees in the Tropical Desert Forest have stunted growth.
 - (ii) There is a gradual increase in the forest cover in India in recent times.
 - (iii) The trees in Monsoon Deciduous forests, shed their leaves for about 6-8 weeks during March and April.

Question 6

- (a) *"The modern means of irrigation are gaining popularity."* [2]
Give **two reasons** to justify this statement.
- (b) Mention **two factors** that favour the development of tube well irrigation in Punjab. [2]
- (c) Give a reason for each of the following: [3]
- (i) Most of the South Indian states are **not suitable** for development of canal irrigation.
 - (ii) There is an urgent need for water conservation in India.
 - (iii) Development of irrigation is essential for the growth of the agriculture sector of India.

- (d) Briefly explain the following terms: [3]
- (i) Inundation canal.
 - (ii) Rooftop rainwater harvesting.
 - (iii) Surface water.

Question 7

- (a) Give **two advantages** of using bio-gas as a source of power. [2]
- (b) Name the following: [2]
- (i) **A metallic mineral** for which the Balaghat district of Madhya Pradesh is famous.
 - (ii) The multi-purpose project based on the River Sutlej.
- (c) Give a reason for each of the following: [3]
- (i) **Odisha** has benefitted greatly from the **Hirakud project**.
 - (ii) **Copper** is used to make **electric wires**.
 - (iii) India's location is advantageous for the generation of **solar power**.
- (d) Briefly answer the following: [3]
- (i) Name a mineral used to generate nuclear power.
 - (ii) Why is petroleum often referred to as "**liquid gold**"?
 - (iii) State **one disadvantage** of using coal as a source of power.

Question 8

- (a) Mention **two steps** taken by the government to boost agricultural production in India. [2]
- (b) (i) Name two varieties of millet grown in India. [2]
- (ii) What is the soil requirement for growing millet?

- (c) Study the picture given below and answer the questions that follow: [3]



- (i) Mention the climatic condition that is suitable for the cultivation of this crop.
- (ii) Name the state that produces the largest amount of this crop.
- (iii) In which cropping season is this crop grown in India?
- (d) Give a geographical reason for each of the following: [3]
- (i) Cultivation of wheat is confined to the northern part of India.
- (ii) Practicing mixed farming gives security to farmers.
- (iii) Ratoon cropping is gaining popularity among sugarcane cultivators.

Question 9

- (a) Where do the following iron and steel plants get their supply of **iron ore** from? [2]
- (i) Bhilai Iron and Steel Plant.
- (ii) Vishakhapatnam Steel Plant.
- (b) 'Karnataka has developed as an important state for the growth of the Silk industry.' [2]
Give **two reasons** to justify the statement.
- (c) With reference to **sugar industries** answer the following questions: [3]
- (i) Why should these industries be located close to the sugarcane growing areas?
- (ii) Name **two** by-products of the sugar industry.
- (iii) Mention **one** leading sugar producing state in North India and **one** in South India.

- (d) Give a reason for each of the following: [3]
- (i) **Ahmedabad** is an important cotton textile producing centre in India.
 - (ii) Cottage industries are significant for our economy
 - (iii) Petrochemical industries are usually located close to the oil refineries.

Question 10

- (a) *“Roadways are an important means of transport in India”.* [2]
Give **two reasons** to justify the statement.
- (b) (i) Why are South Indian rivers **not ideal** for the inland water transport? [2]
(ii) Mention **one** advantage of coastal shipping.
- (c) Give a reason for each of the following: [3]
- (i) Nearly seventy percent of Indians do not use air transport.
 - (ii) A well-developed transport network is important for industrial growth.
 - (iii) Water transport is not as popular as land transport in India.
- (d) (i) *“The railway is an important means of transport as compared to airways.”* [3]
State two reasons to support the statement.
(ii) Mention one disadvantage of rail transport.

Question 11

- (a) What impact does the waste accumulation have on the following? [2]
- (i) Quality of air around us.
 - (ii) Quality of water around us.
- (b) Mention **two ways** in which the decomposition of waste in open areas can affect human health. [2]
- (c) (i) What can an individual do to reduce waste at home? [3]
(ii) Why must segregation of waste be done before disposal?
(iii) How has composting proven to be a great help in managing waste?

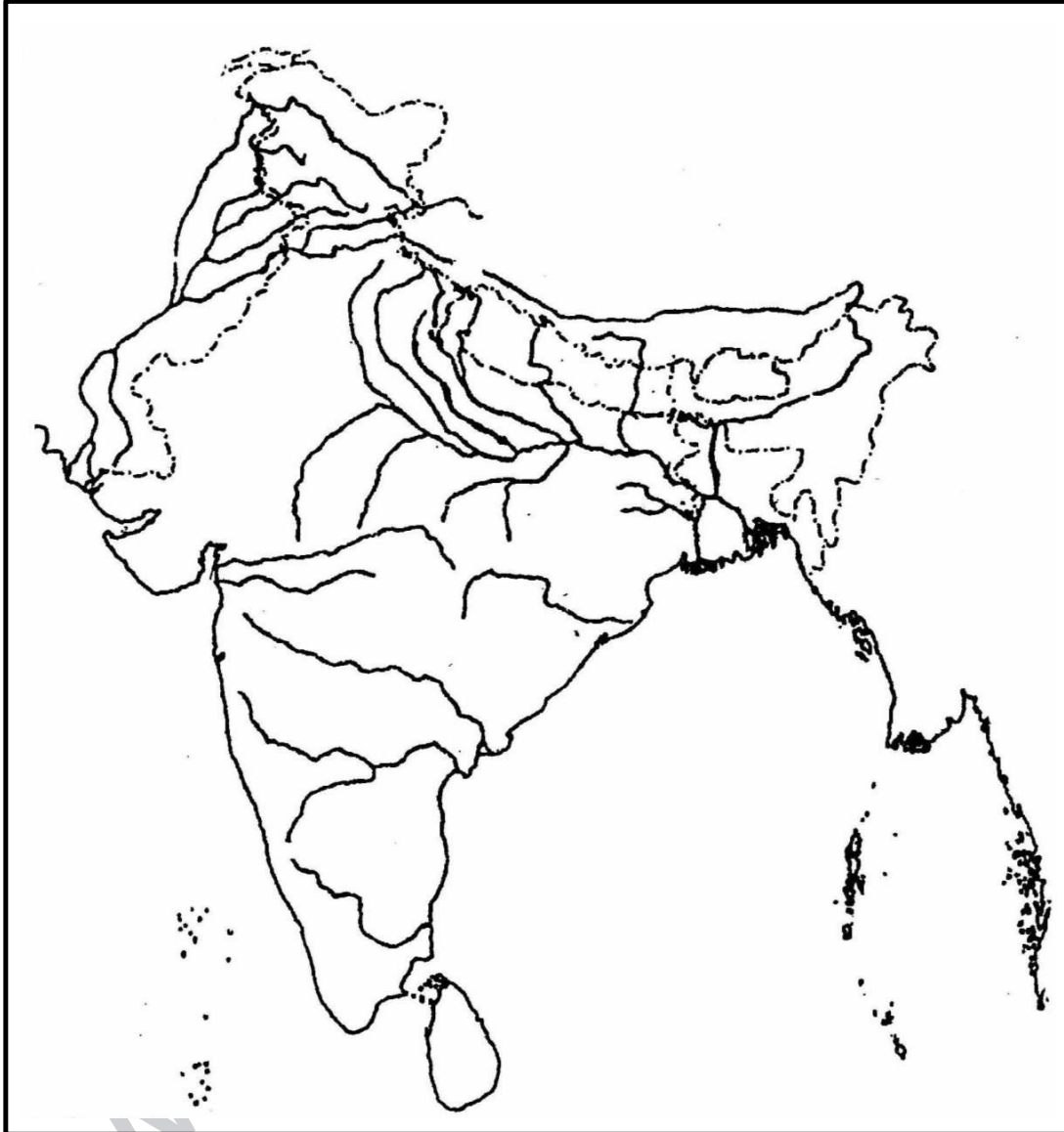
- (d) Give a reason for each of the following: [3]
- (i) Trees must be planted in the industrial areas.
 - (ii) Chemical fertilizers must be replaced by organic manure.
 - (iii) Plastic and polythene products must be banned.

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Question No. 2

Index No..... UID.....

(This map, if used, must be fastened with all other answers)

Map of India for Question 2.


ONLY FOR THE EXAMINER										
a	b	c	d	e	f	g	h	i	j	Total